

For Research Use Only

NOTCH4 Polyclonal antibody, PBS Only

Catalog Number: 33280-1-PBS



Basic Information

Catalog Number:

33280-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36738

GenBank Accession Number:

BC140782

GeneID (NCBI):

4855

UNIPROT ID:

Q99466

Full Name:

Notch homolog 4 (Drosophila)

Calculated MW:

2003 aa, 210 kDa

Observed MW:

210 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Neurogenic locus notch homolog protein 4 (NOTCH4) is a receptor involved in the Notch signaling pathway, which is synthesized as a precursor that undergoes proteolytic cleavage to form an active receptor. NOTCH4 interacts with various ligands, leading to the release of the Notch intracellular domain (NICD), which translocates to the nucleus and regulates gene expression (PMID: 28794168; 19379690; 17148788). NOTCH4 is involved in various biological processes, including embryonic development, immune cell differentiation, and tumorigenesis (PMID: 24667410; 34925319).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

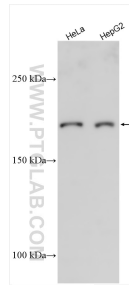
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

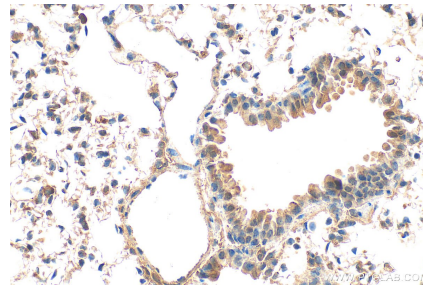
E: proteintech@ptglab.com
W: ptglab.com

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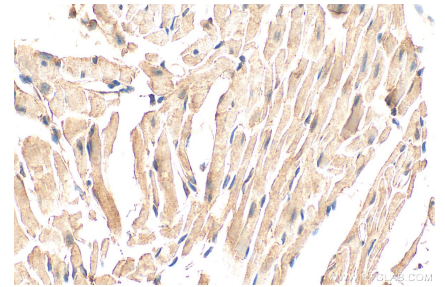
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33280-1-AP (NOTCH4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33280-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 33280-1-AP (NOTCH4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33280-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 33280-1-AP (NOTCH4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33280-1-PBS in a different storage buffer formulation.